Bibliographic Information

Antimicrobial pharmaceuticals containing bacampicillin hydrochloride and β-lactamase inhibitor. Araki, Kazuhiko; Moriguchi, Akihiko; Ikeda, Takashi; Yokoyama, Yoshihito. (Yoshitomi Pharmaceutical Industries, Ltd., Japan). Jpn. Kokai Tokkyo Koho (1991), 4 pp. CODEN: JKXXAF JP 03206038 A2 19910909 Heisei. Patent written in Japanese. Application: JP 90-2303 19900108. CAN 116:46341 AN 1992:46341 CAPLUS

Patent Family Information

Patent No.	Kind	Date	Application No.	Date
JP 03206038	A2	19910909	JP 1990-2303	19900108

Priority Application	
JP 1990-2303	19900108

Abstract

Antimicrobial oral pharmaceuticals contain bacampicillin-HCl (I) and 2α-methyl-2β-(1,2,3-triazole-1-yl)methylpenam-3α-carboxylic acid 1,1-dioxide 1-[(ethoxycarbonyl)oxy]ethyl ester (II). 2α-Methyl-2β-(1,2,3-triazole-1-yl)methylpenam-3α-carboxylic acid 1,1-dioxide 5.0, di-Et α-chlorocarbonate 3.05, NaI 3.00, and K2CO3 1.38 g were mixed in 50 mL DMSO at 50° for 5 h to give 2.5 g II. I 250, II 125, lactose 80, cryst. cellulose 40, and Mg stearate 5 mg were mixed and granulated to give a capsule. I and II (4:1) were orally administered to Klebsiella pneumoniae-infected mice, which showed min. inhibitory concn. of 50 μg/mL and median ED of 4.709 mg/mouse, vs. 50 μg/mL and 8.978 mg/mouse for a control using YTR 830H instead of II.

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Bibliographic Information

Preparation of 1-[alkyl[carbonylbis(oxy)]]ethyl cephemcarboxylates as antibiotics. Adam, Friedhelm; Blumbach, Juergen; Duerckheimer, Walter; Fischer, Gerd; Mencke, Burghard; Isert, Dieter; Seibert, Gerhard; Klesel, Norbert. (Hoechst A.-G., Germany). Ger. Offen. (1990), 20 pp. CODEN: GWXXBX DE 3901405 A1 19900726 Patent written in German. Application: DE 89-3901405 19890119. CAN 114:81408 AN 1991:81408 CAPLUS (Copyright 2004 ACS on SciFinder (R))

Patent Family Information

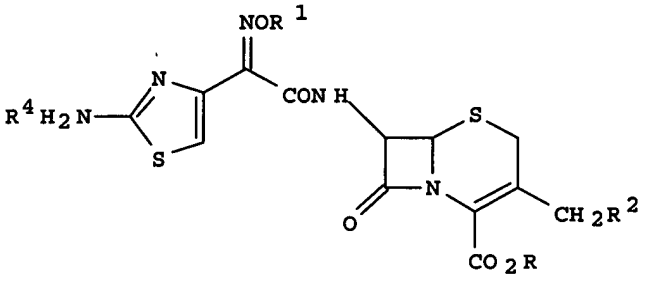
Patent No.	Kind	Date	Application No.	Date
DE 3901405	A1	19900726	DE 1989-3901405	19890119
EP 379132	A2	19900725	EP 1990-100799	19900116
EP 379132	A3	19920108		
		R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL		
AU 9048536	A1	19900726	AU 1990-48536	19900117
CN 1044280	A	19900801	CN 1990-100248	19900117
HU 54165	A2	19910128	HU 1990-172	19900117
HU 205936	B	19920728		
DD 291561	A5	19910704	DD 1990-337164	19900117
CA 2008059	AA	19900719	CA 1990-2008059	19900118
NO 9000252	A	19900720	NO 1990-252	19900118

ZA 9000361	A	19901031	ZA 1990-361	19900118
JP 02229196	A2	19900911	JP 1990-10436	19900119

Priority Application
DE 1989-3901405 19890119

Abstract

The title compds. [I; R = CHMeO2COR3; R1 = H, Me; R2 = H, MeO; 1 of R1R2 = H; R3 = (cyclo)alkyl, (cyclo)alkoxy; R4 = H] were prepd. as antibiotics (no data) by condensation of I (R = cation) with XCHMeO2COR3 (X = leaving group). Thus, ClCHMeO2CCl was stirred 2 h at 0-5° with HOCHMeCH2OMe in CH2Cl2 contg. pyridine and the product stirred 2 h with NaI and Zn chloride in CS2 to give ICHMeO2COCHMeCH2OMe which was stirred 10 min with I (R = K, R1 = CMe2OMe, R2 = MeO, R4 = Ph3C) in DMF to give, after deprotection, I (R = CHMeO2COCHMeCH2OMe, R1 = R4 = R2 = MeO).



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